



Form 1449 (Modified) Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. MAILP007 Application No.: 10/616,703 Inventor OLIVER, et al Group Unassigned 2155 Filing Date July 9, 2003
---	---

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	L							
	M							
	N							
	O							
	P							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/OD/	R	Anon. "The Lifecycle of Spam", PC Magazine, Feb 25, 2003, pages 74-97.
/OD/	S	Georgantopoulous, Byron, "MScin Speech and Language Processing Dissertation: Automatic summarizing based on sentence extraction: A statistical approach", Departament of Linguistics, University of Edinburgh, http://cgi.di.uoa.gr/~byron/msc.html .
/OD/	T	D. H. Lie, "Sumatra: A system for Automatic Summary Generation", http://www.carpotechnologies.nl/SumatraTWLT14paper/SumatraTWLT14.html .
Examiner /Oanh Duong/		Date Considered 03/31/2007

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. MAILP007 Application No.: 10/616,703 Inventor OLIVER, et al Group Unassigned 2155 Filing Date July 9, 2003
--	---

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A						
	B						
	C						

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	D							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/OD/	E	Anon, "Correspondence Negotiation Protocol", http://www.cs.sfu.ca/~cameron/CNP.html .
	F	Anon, "Cloudmark, Different Approaches to Spamfighting", Whitepaper, Version 1.0, November 2002.
	G	Anon, "DigiPortal Software, Creating Order from Chaos" Support, Frequently Asked Questions, " http://www.digiportal.com/support/choicemail/faq.html ."
	H	Hoffman, Paul and Crocker, Dave, "Unsolicited Bulk Email: Mechanisms for Control" Internet Mail Consortium Report: UBE-SOL, IMCR-008, revised May 4, 1998.
	I	Kolathur, Satheesh and Subramanian, Subha, "Spam Filter, A collaborative Method of Eliminating Spam" White paper, published Dec. 8, 2000, http://www.cs.uh.edu/~kolathur/Paper.htm .
	J	Anon. "Challenge Messages", Mailblocks, http://support.mailblocks.com/tab_howto/Validation/detail_privacy_challenge.asp .
	K	Anon. "How Challenge/Response Works", http://about.mailblocks.com/challenge.html .
	L	Razor-agents 2.22, http://razor.sourceforge.net
	M	Anon., "Project: Vipul's Razor: Summary", http://sourceforge.net/projects/razor/
↓	N	Spamarrest, The Product, How it Works, http://spamarrest.com/products/howitworks.jsp .
/OD/	O	SpamAssassin, "Welcome to SpamAssassin", http://spamassassin.org .
Examiner /Oanh Duong/		
Date Considered 03/31/2007		

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified) Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. MAILP007 Application No.: 10/616,703 Inventor OLIVER, et al Group Unassigned 2155 Filing Date July 9, 2003
---	---

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

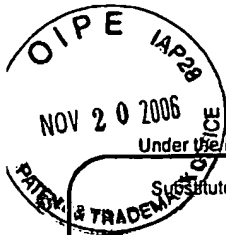
Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	L							
	M							
	N							
	O							
	P							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/OD/	R	Anon: "Tagged Message Delivery Agent (TMDA)", http://tmda.net/index.html .
/OD/	S	Anon: "Giant Company Software announces full integrated AOL support for its popular Spam Inspector anti-spam software." http://giantcompany.com/pressReleases.aspx .
	T	
Examiner /Oanh Duong/		Date Considered 03/31/2007

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/616,703
Filing Date	July 9, 2003
First Named Inventor	Jonathan Oliver
Art Unit	2141-2155
Examiner Name	Rupal Dharja Duong, O
Attorney Docket Number	PA3626US

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/OD/		US- 6,112,227	08-29-2000	Heiner	
		US- 6,199,102	03-06-2001	Cobb	
		US- 6,421,709	07-16-2002	McCormick et al.	
		US- 6,453,327	09-17-2002	Nielsen	
		US- 6,546,416	04-08-2003	Kirsch	
		US- 6,650,890	11-18-2003	Irlam et al.	
		US- 6,654,787	11-25-2003	Aronson et al.	
		US- 6,732,149	05-04-2004	Kephart	
		US- 6,941,348	09-06-2005	Petry et al.	
		US- 2002/0162025	10-31-2002	Sutton et al.	
		US- 2002/0199095	12-26-2002	Bandini et al.	
		US- 2003/0105827	06-05-2003	Tan et al.	
		US- 2003/0229672	12-11-2003	Kohn	
		US- 2003/0233418	12-18-2003	Goldman	
		US- 2004/0003283	01-01-2004	Goodman et al.	
		US- 2004/0024639	02-05-2004	Goldman	
		US- 20040158554	08-12-2004	Trottman	
		US- 2006/0036693 A1	02-16-2006	Hulten et al.	
/OD/		US- 2004/0117451 A1	06-17-2004	Chung	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Oanh Duong/	Date Considered	03/31/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

4

Complete if Known

Application Number	10/616,703
Filing Date	July 9, 2003
First Named Inventor	Jonathan Oliver
Art Unit	2441-2155
Examiner Name	Rupal Dharwad Dwong, 10
Attorney Docket Number	PA3626US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/OD/		US- 6,829,635 B1	12-07-2004	Townshend	
		US- 6,728,378 B2	04-27-2004	Garib	
		US- 2003/0046421 A1	03-06-2003	Horvitz et al.	
		US- 6,772,196 B1	08-03-2004	Kirsch et al.	
		US- 2002/0188689 A1	12-12-2002	Michael	
		US- 6,654,787 B1	11-25-2003	Aronson et al.	
		US- 6,732,149 B1	05-04-2004	Kephart	
		US- 2002/0162025 A1	10-31-2002	Sutton et al.	
		US- 2003/0167311 A1	09-04-2003	Kirsch	
		US- 2005/0055410	3-10-2005	Landsman et al.	
		US- 2005/0125667	06-09-2005	Sullivan et al.	
		US- 2003/0158903	08-21-2003	Rohall et al.	
		US- 2006/0010217	01-12-2006	Sood	
		US- 7,003,724	02-21-2006	Newman	
		US- 7,076,241	07-11-2006	Zondervan	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

/Oanh Duong/

Date
Considered

03/31/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number		10/616,703
	Filing Date		July 9, 2003
	First Named Inventor		Jonathan Oliver
	Art Unit		2441 2155
	Examiner Name		Rupel Dharla - Duong, O
	Attorney Docket Number		PA3626US
Sheet	3	of	4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/OD/		DWORK, Cynthia, et al. "Pricing via Processing or Combating Junk Mail," CRYPTO '92, Springer-Verlag LNCS 740, pp. 139-147, 1992.	
		VON AHN, Luis, et al., "Telling Humans and COmputers Apart (Automatically) or How Lazy Cryptographers do AI," Communications to the ACM, February 2004.	
		SKOLL, David F., "How to Make Sure a Human is Sending You Mail," Google Groups Thread (Nov. 17, 1996).	
		BYRNE, Julian, "My Spamblock," Google Groups Thread (Jan. 19, 1997).	
		GUILMETTE, Ronald F., "To Mung or Not to Mung," Google Groups Thread (July 24, 1997).	
		TEMPLETON, Brad, "Viking-12 Junk E-Mail Blocker," (believed to have last been updated July 15, 2003).	
		"Majordomo FAQ," October 20, 2001.	
		LANGBERG, Mike, "Spam Foe Needs Filter of Himself," (Email Thread Dated April 5, 2003).	
		MCCULLAGH, Declan, "In-Boxes that Fight Back," News.com, May 19, 2003.	
/OD/		WEINSTEIN, Laura, "Spam Wars," Communications of the ACM, August 2003, pp. 136, Vol 46, No. 8	

Examiner Signature	/Oanh Duong/	Date Considered	03/31/2007
---------------------------	--------------	------------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/616,703
		Filing Date	July 9, 2003
		First Named Inventor	Jonathan Oliver
		Art Unit	2141-2155
		Examiner Name	Rupal Dharwadkar Duong, O
Sheet 4	of 4	Attorney Docket Number	PA3626US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/OD/		JUNG, J., SIT, E., "An Empirical Study of Spam Traffic and the Use of DNS Black Lists," IMC'04, October 25-27, 2004, pp. 370-375, ACM, Taormina, Sicily, Italy.	
		GOMES, L.H., CAZITA, C., ALMEIDA, J.M., ALMEIDA, V., & MEIRA, W., "Characterizing a Spam Traffic," IMC'04, October 25-27, 2004, pp. 356-369, ACM, Taormina, Sicily, Italy.	
		GABRILOVICH, E. & GONTMAKHER, A., "The Homograph Attack," http://www.cs.technion.ac.il/~gabr/papers/homograph_full.pdf , last accessed Nov. 10, 2006.	
		CRANOR, L.F. & LAMACCHIA, B.A., "Spam!" Communications of the ACM, August 1998, pp. 74-83, Vol. 41, No. 8	
		BALVANZ, J., PAULSEN, D., & STRUSS, J., "Spam Software Evaluation, Training, and Support: Fighting Back to Reclaim the Email Inbox," SIGUCCS'04, October 10-13, 2004, pp. 385-387, ACM, Baltimore, Maryland, USA.	
↓		"Digital Signature," http://www.cnet.com/Resources/Info/Glossary/Terms/digitalsignature.html last accessed Nov. 15, 2006	
/OD/		"Hash Function," http://en.wikipedia.org/wiki/Hash_value , last accessed Nov. 15, 2006	

Examiner Signature	/Oanh Duong/	Date Considered	03/31/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.